

AMENDMENT AND RESPONSE

Serial Number: 09/746,322

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Title: NOVEL NAPHTHOPYRAN COMPOUNDS, PHOTORESPONSIVE COMPOSITIONS AND LENSES

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Dkt: 589.011US1

IN THE CLAIMS

Please amend the claims as follows.

Claims 1-19 AND 21-23 (CANCELLED)

20. (PREVIOUSLY CANCELLED)

24. (PREVIOUSLY CANCELLED)

25. (PREVIOUSLY ADDED) A naphthopyran comprising 2,2-(4-methoxy-4'-pyrrolidino)diphenyl-5-methylol-7-fluoro-9-methoxy-[2H]-naphtho[1,2-b]pyran.

26. (CANCELLED)

27. (CANCELLED)

28. (CANCELLED)

29. (CANCELLED)

30. (PRESENTLY AMENDED) A photochromic composition containing at least one photochromic naphthopyran compound according to Claim 25 ~~26~~ and a polymeric host material selected from the group consisting of polycarbonates and polyvinyl alcohol.

31. (CANCELLED)

32. (CURRENTLY AMENDED) A photochromic article having a layer thereon comprising the photochromic composition ~~article~~ according to Claim 30 characterized that the article is an ophthalmic lens.

CORRECTION
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To a solution of 1.1 grams of the above naphthol and 2.1 grams of 1,1-(4-methoxy-4'-pyrrolidino)diphenyl propargyl alcohol in 50 ml of toluene, catalytic amount of chloroacetic acid was charged. The solution was refluxed for 1.5 hours, followed by neutralization with sodium carbonate and water wash. The Organic phase was concentrated and run through a silica column with hexane/ethyl acetate 4:1 as eluent. 325 mg of the desired product was obtained. (Structure No.3 in the accompanying figures).

Example 3

structures 2 and 3

Two other dyes, the structures of all are shown as ~~No. I and No. II~~ in the accompanying figures were also provided by essentially the identical procedures described above, by selection of the appropriate naphthol and propargyl alcohol. Each dye displayed photochromic behavior with two maximum peaks between 450 and 620 nm. It is a preferred characteristic of dyes of the present invention to display two absorption maximum peaks, one between 440 and 510 nm, the other between 550 and 630 nm.

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